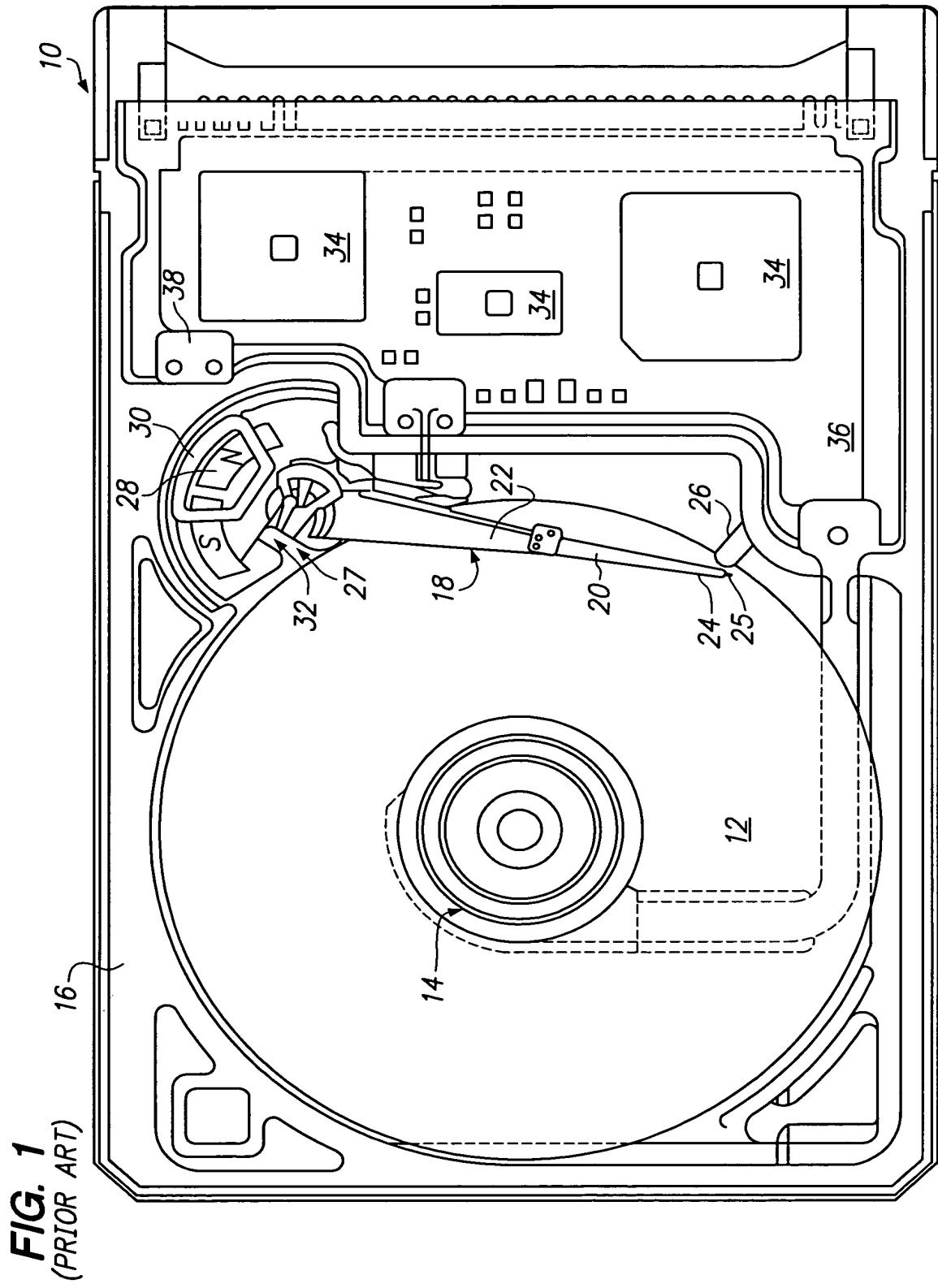


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Docket No.: 3123-367
Inventor: SUN et al.
Attorney: Tejpal S. Hansra

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Group Art Unit: 2651
Telephone: 360-527-1400

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FIG. 2
(PRIOR ART)

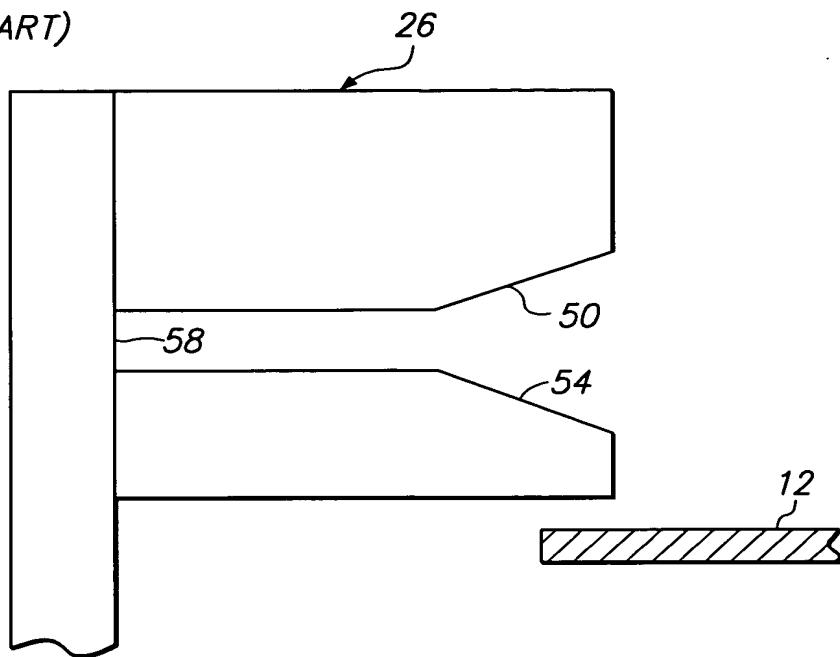
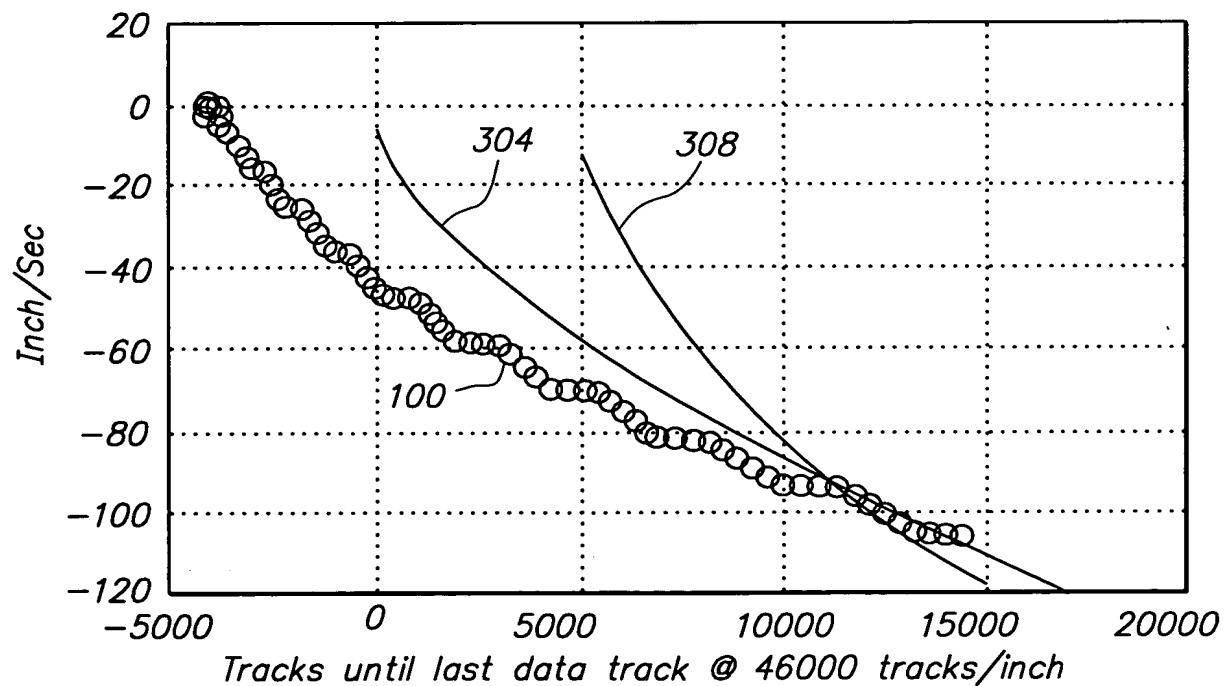


FIG. 5

Bounceless Power off with 6 Volts for the VCM



O I P E
M A R 0 8 2004
P A T E N T & T R A D E M A R K O F F I C E

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Attorney: Tejpal S. Hansra

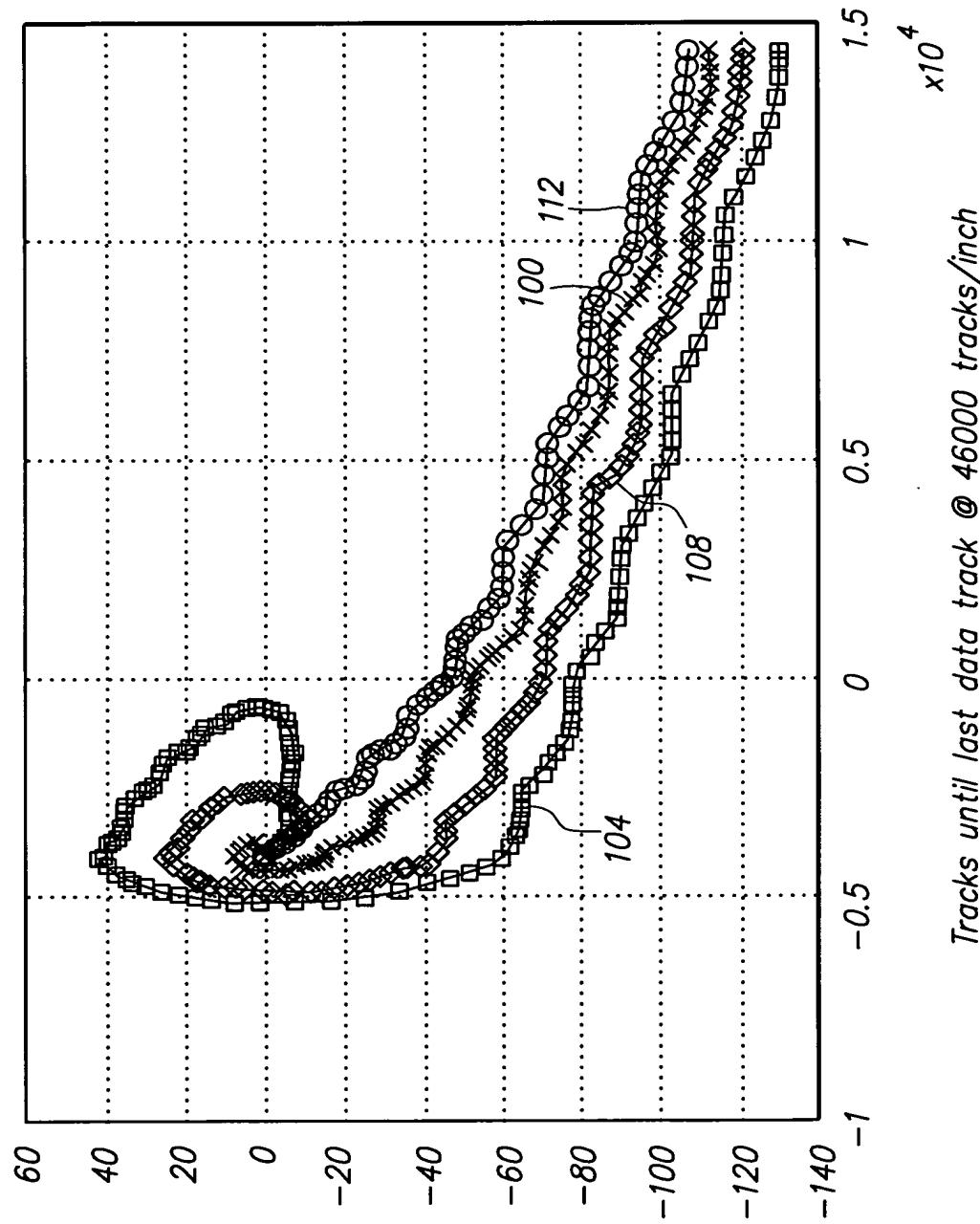
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FIG. 3

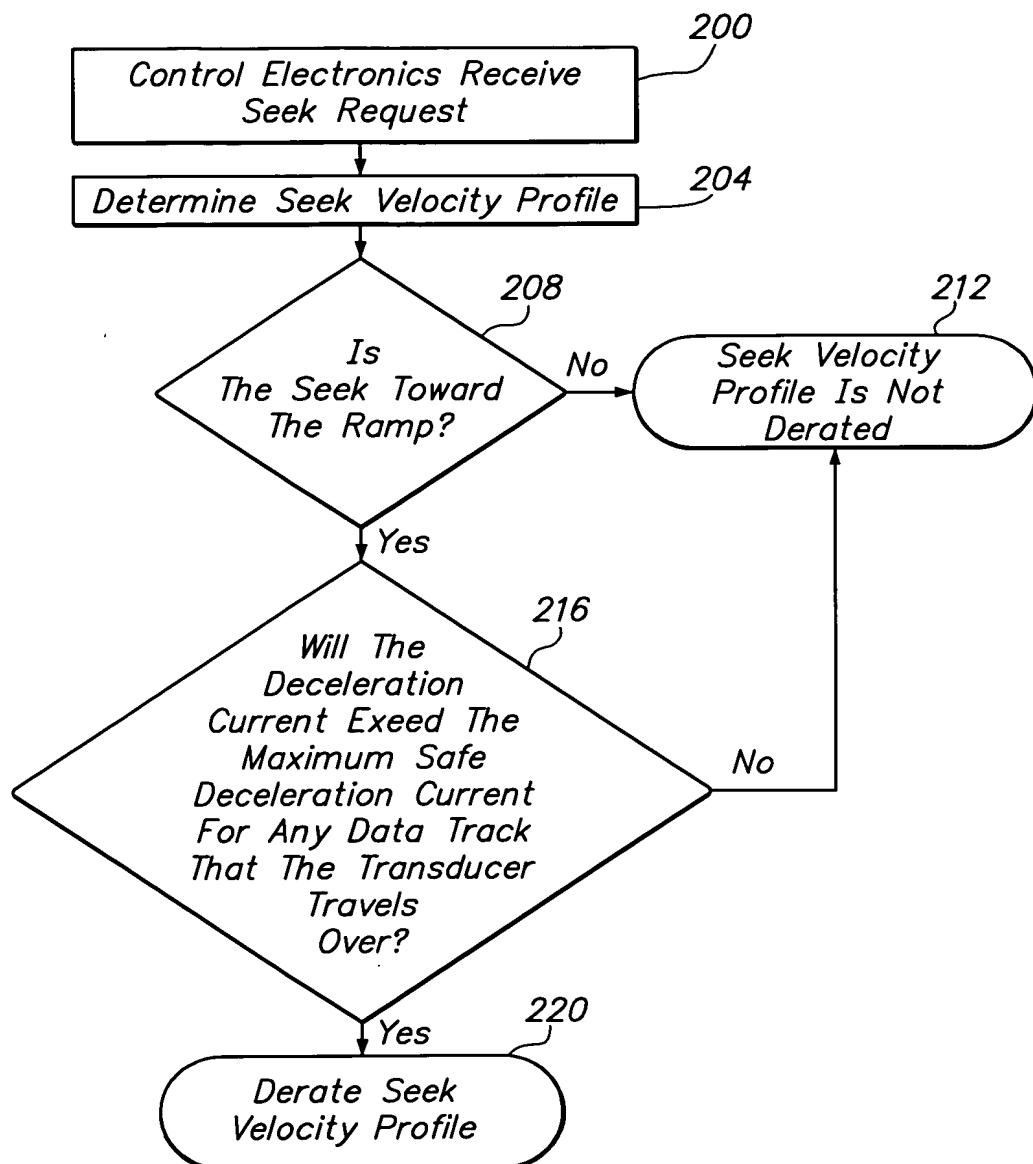
Power off with 6 Volts for the VCM





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FIG. 4





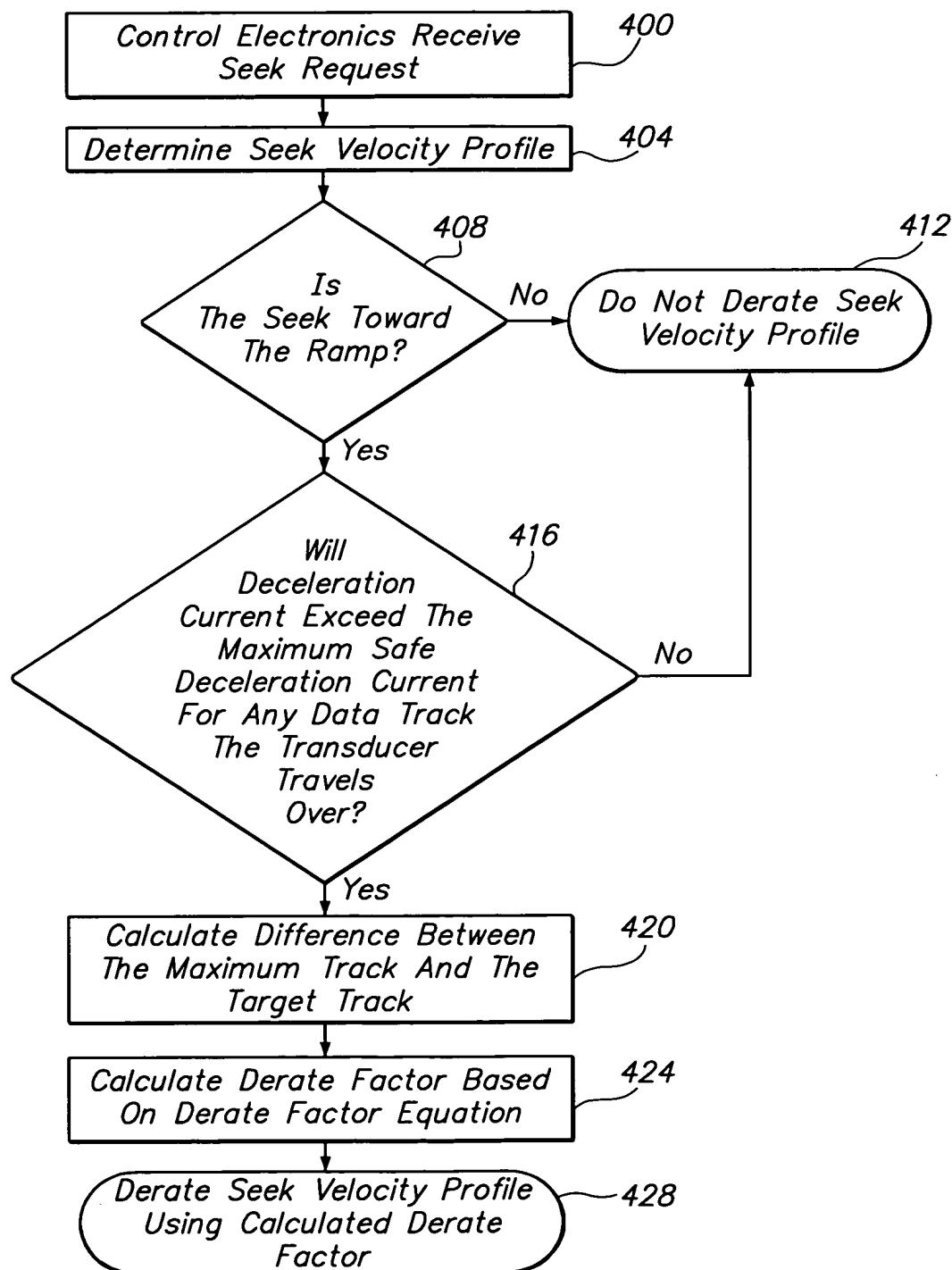
Serial No.: 09/905,563
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FIG. 6



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M A R 0 8 2004
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Attorney: Tejpal S. Hansra

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FIG. 7

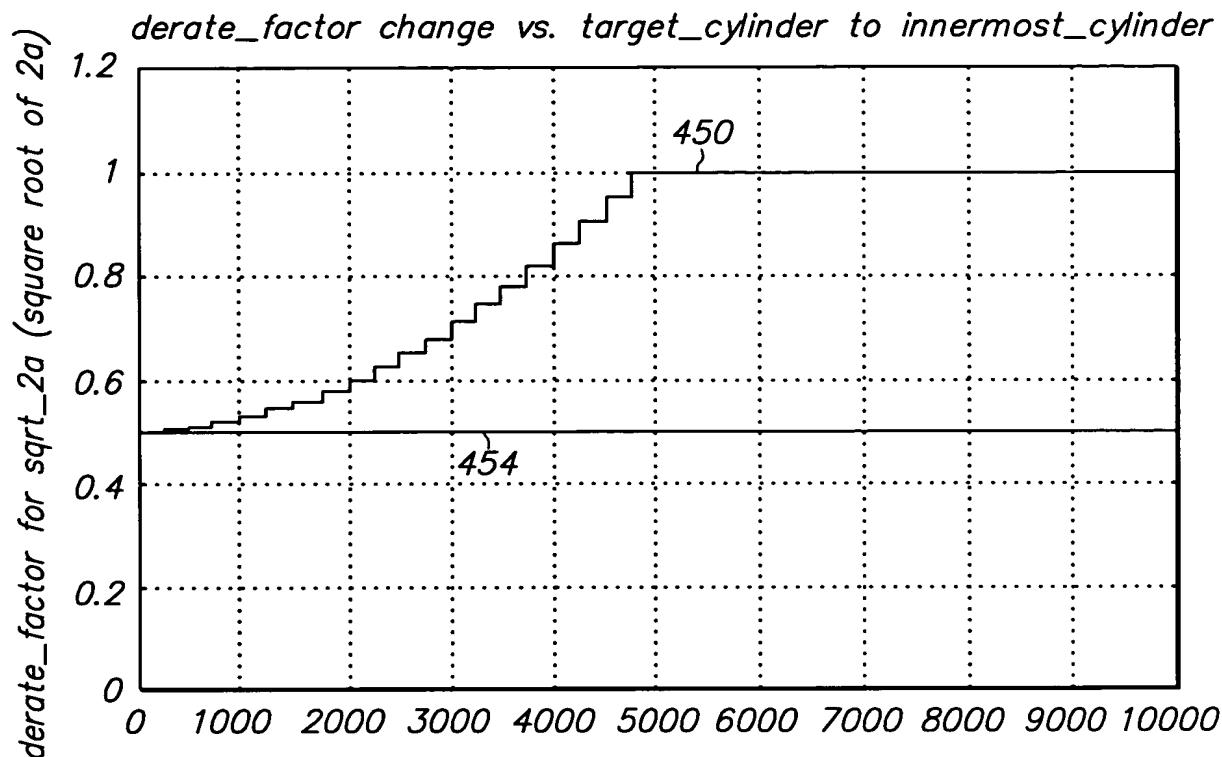
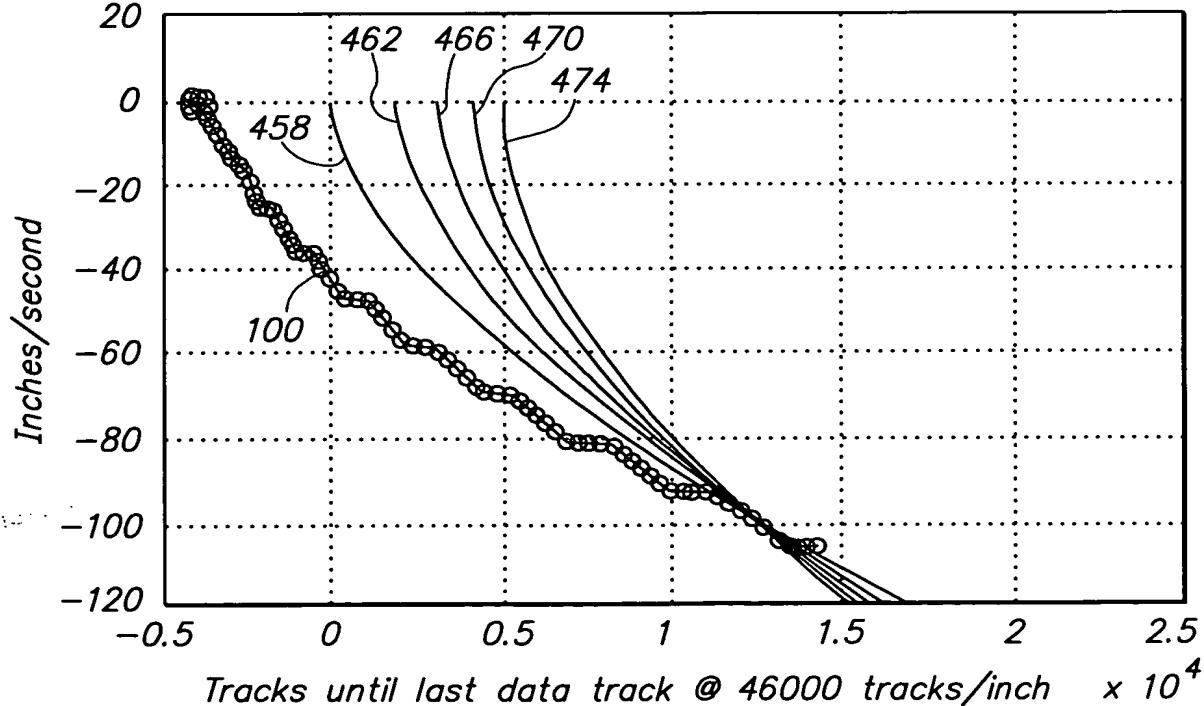


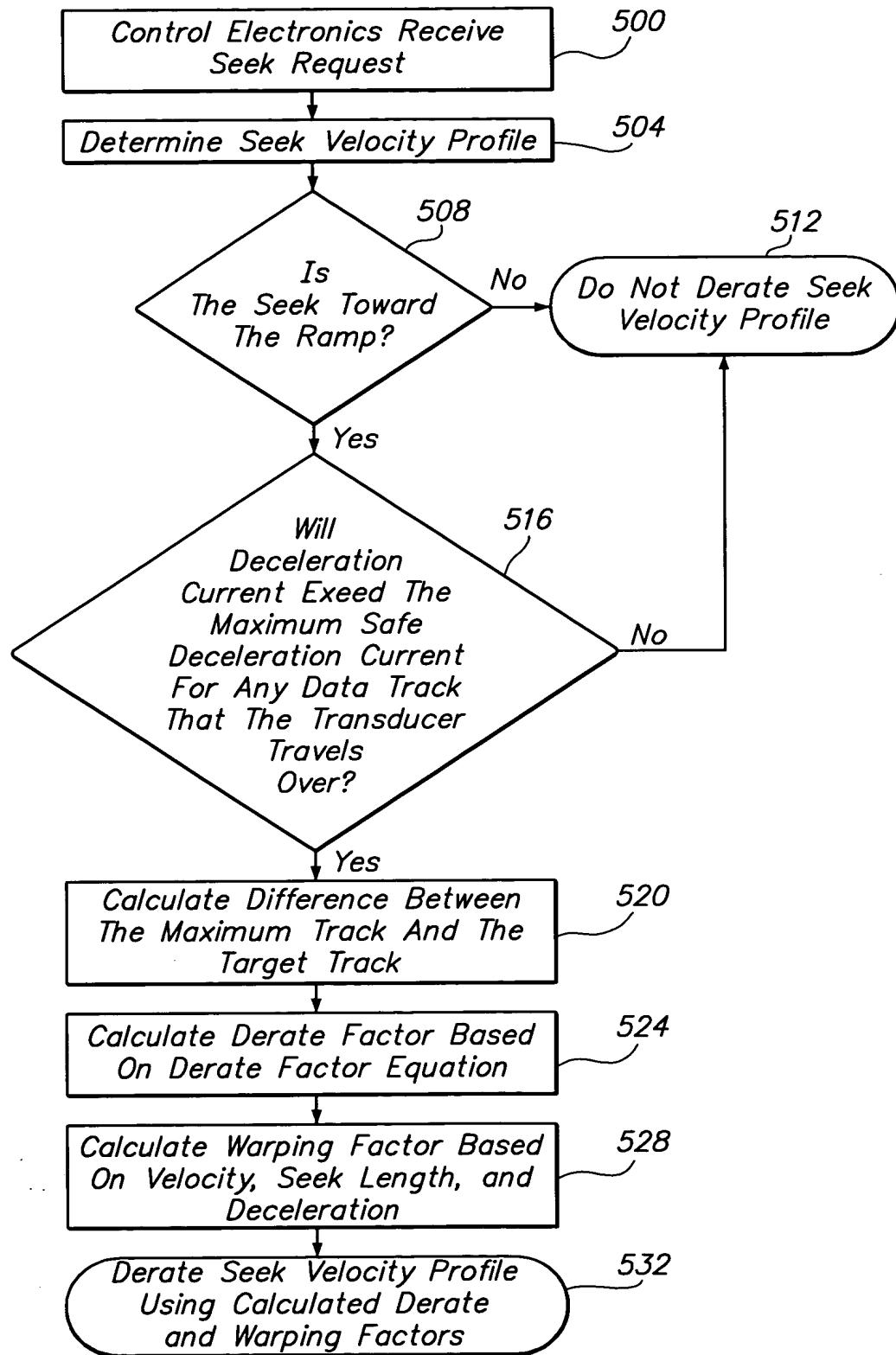
FIG. 8

Comparison between flat derate factor and variable derate factor



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FIG. 9



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FIG. 10

Bounceless Power off with 6 Volts for the VCM

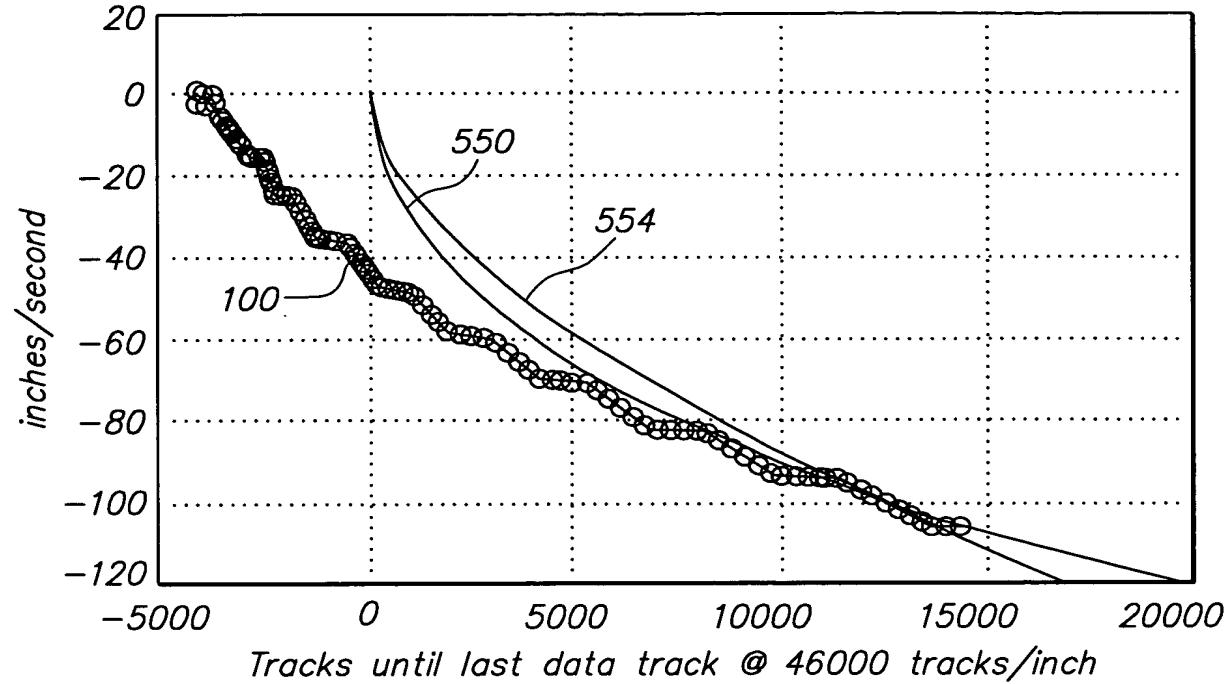


FIG. 11

Seek Time Comparison between with and without Warping

